

THE TURNTABLE

VOL. 3 NO. 4

RICHMOND, INDIANA

APRIL 1967

ALBUMS DEPARTMENT GETS NEW EQUIPMENT

The first of the two new lines of album fabricating equipment has been installed and is scheduled to be in full operation before the middle of April. The second line will be installed beside the present new line and will be in operation by the end of May.

George Moore, Production Manager, advises that two of the older lines will be retained as stand-by equipment and for possible use in running small quantity orders.

Albums produced on the new lines will be identical to those produced on the older equipment.

Capacity of the new lines has been estimated at about 1200 to 1300 albums per hour, for each line. This compares with an output of about 800 albums per hour for each line on the obsolete machines.

To further improve production a new die cutting machine has been ordered for July delivery. The new die cutting machine is a rotary type machine which will feed chipboard from a roll.

The machine will be coupled with a

folding and glueing machine designed in our Engineering Department and to be made in our Machine Shop. This unit will be capable of producing about 5,000 jackets per hour.

This line will be located near the new album equipment to cut down on material handling problems.

Lou Hubble, Albums Foreman, and Don Mounts, Maintenance, made a trip to Chicago to receive instructions on the operation and maintenance of the new album fabricating equipment.

The album equipment was purchased from three different companies. One furnished the glueing machines, one the cutter and the third company furnished the electrical controls, a turnover station, and a station to fold the edges.

Sequence of operations for the new album line are as follows: The first unit picks up a cover, applies glue to the cover, then carries the cover on a vacuum belt under a unit which spots the album jacket to the cover.

Cover and jacket then move through a unit which folds the bottom edge

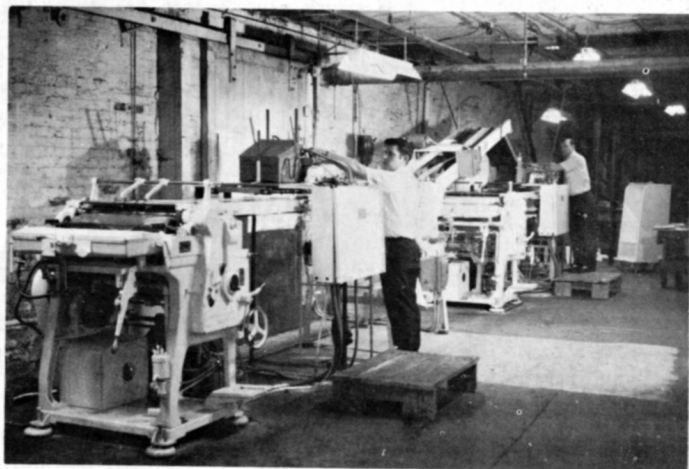
of cover over the board and by means of two twisted belts folds the two side edges of cover.

Board and cover next pass through pinch rollers to even out the glue. The product then is fed between two belts which are twisted in a manner to turn the product over as it is transferred between the belts.

The product is delivered by belts and chute to a magazine where it is stored until spotted on to a liner. This unit is similar to the first one. It picks up a liner, coats it with glue and carries it under the spotter unit.

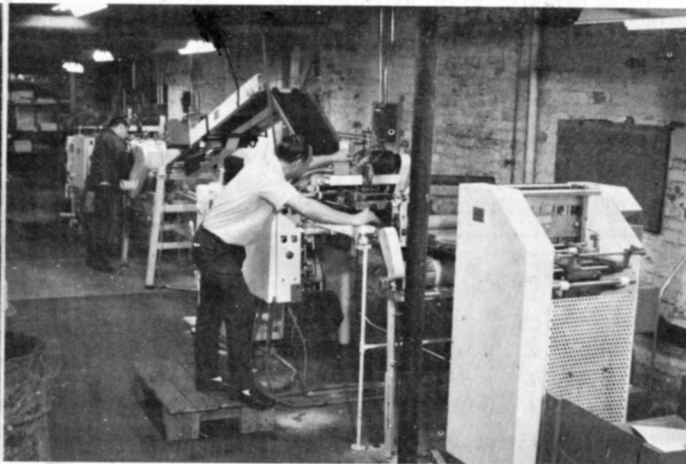
After this operation, the product passes through another set of pinch rollers, then goes to the trimmer which cuts off the open end of the album to length. The trimming unit is a guillotine type cutter which operates similar to a paper cutter.

The addition of the new machinery will place the company in a better competitive position to obtain custom album work by improved quality, cutting down on scrap, and through the use of improved production methods.



New album fabricating line is shown in the above photos. Lou Hubble and Donald Bane, foremen, are checking the equipment (left photo). In the same photo, to the left, is the first glueing and spotting unit which applies glue to the cover then spots the jacket to the cover.

The second glueing and spotting unit, in front of Mr. Bane, applies glue to the liner and spots the jacket with cover to the liner. An edge folding unit is between the two units just described.



As the assembled jacket and cover are carried up the incline, from folding unit, the assembly is turned over, then deposited in a hopper to await spotting to the liner on the second glueing unit.

In the photo at right, Mr. Bane is checking the second spotter unit while Johnny Jones, (rear), machine tender, makes adjustments on another part of the line.

Unit to right of the picture is the guillotine type trimmer which cuts open end of album to length. As albums come from the trimmer they are inspected and placed in collection box.

Published by and for the employees
of Mercury Record Mfg. Co.
Editor.....James Mathewson
Ass't Editor.....Parke Hoover
Vari-typists.....Kay Booe
Ruth Ann Seffrin

LOST YOUR GOAT?

Do some people "get your goat?" Your ability to control yourself will prevent the "loss of your goat."

Your education won't be entirely complete until you know the origin of the above expression and we're going to tell you now, free of charge, without even the expectation of return in kind.

Years ago, racehorse owners thought that a goat kept in the same stall with a thoroughbred tended to keep the horse calm before the race. However, if the goat were stolen or strayed off before the race, it was thought the horse would lose his composure and run something less than a good race.

So go out there and win, and "Don't lose your goat."

PRIVATE ENTERPRISE

The power to choose the work I do,
To grow and have the larger view,
To know and prove that I am free,
To stand erect, not bend the knee,
To be no chattel of the state,
To be the master of my fate,
To dare, to risk, to lose, to win,
To make each day and career begin,
To serve mankind in my own way,
To gain in wisdom along the way,
With zest to climb, to rise,
I call that - Private enterprise.

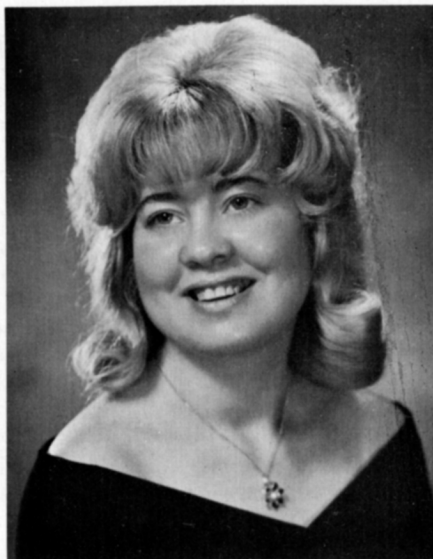
Anniversaries

Compression 1st. - Bill and Inez Estridge, 21 years, April 25; Dorothy Schafer (productograph) 33 years, April 1.

Compression 2nd - Jean Berry April 14.

BITS OF WISDOM

Kenneth Finch, Safety and Good Housekeeping Coordinator for Belden, has this gem conspicuously posted: "A man who tries to do something and fails is infinitely better than one who tries to do nothing and succeeds."



BRENDA REID

Hazel Smith, 314 S.W. Second Street, Richmond, has announced the engagement of her daughter, Brenda Reid, to Jimmie Johnson, 365 Gravel Pit Road, Richmond. Mr. Johnson is in service and presently stationed in Vietnam.

The wedding will take place at the First Baptist Church in Richmond on July 12.

Birthdays

Shipping 1st. - Mildred Smith, April 2.

Compression 1st. - Marie Roszell, April 7, Alverta Hosier, April 10, Margaret Jones, April 16, and Georgia Prewitt, April 29.

Production Control - Doris Fay Stapleton, April 7, Ty Berry, April 27.

Compression 2nd - Doris Colett, April 1; Mary Smith, April 2; Luther Sparks, April 24; Jean Berry, April 25; and Carrie Lamberson, April 21.

PEOPLE ARE IMPORTANT

"The prosperity of a country depends not upon the abundance of its revenues, nor on the strength of its fortifications, nor on the beauty of its public buildings; but it consists in the number of its cultivated citizens, in its men of education, enlightenment, and character. Here are to be found its true interest, its chief strength, its real power."

We talk much about machines today that can do tasks that make the machines seem almost human. But don't count people out. We've put our faith in many things over the years of history, but if you want

INJURIES DROP WITH EMPLOYMENT

While average employment dropped from 685 for January to 589 for February, injuries reported to first-aid also dropped, from 58 reported in January to 51 in February.

Best safety news for the month of February is that there were no lost time accidents and there were only two injuries referred to doctors for treatment. One of these was an eye case. The employee got dust in his eye while walking between buildings. Another employee injured her foot when she bumped a skid causing her to drop a box of records on her foot.

Two persons reported to first-aid after puncturing their skin with a lead pencil. Not serious injuries, but can cause infection.

Other injuries included 5 burns, 8 from bumping something, 2 falls, and several miscellaneous accidents.

With lower employment and employees working fewer hours, we would expect a decline in accidents. However, this time of year is also the "spring fever" season when the mind often strays from the work at hand to what we can do when we get home. It's really a time to exercise extra caution to concentrate on "doing the work safely so we can enjoy our spare time in good health."

By the way, if you are getting your rotary mower ready for the mowing season, just remember to disconnect the spark plug before trying to take the blade off to sharpen it. When you get it out on the lawn, keep persons away from where you are mowing so they won't be endangered by a stick or stone thrown by the mower.

- - DECEASED - -

Sidney S. Dougherty, 73, design engineer here since September, 1966, died in Reid Hospital, Friday morning, March 31. Death came suddenly while he was convalescing following an operation.

Memorial Services for Mr. Dougherty were held at the Central Methodist Church, Sunday, April 2.

Interment was made at the Elkhorn Cemetery south of Richmond, Monday.

a job done, it's people you have to go to first.

Martin Luther, Reformation leader, shows that he truly understood the value of people when he said,



Above is our photographic introduction of Clarence France who was named to the staff position of Controller December 1. He was previously employed by Hardy Division of Sheller Manufacturing Corporation in Union City, Indiana

He and his wife, Janet, and three children, Cynthia, 11, Jeffrey, 8 and Douglas, 6, live in Greenville, Ohio.



Three positions were recently filled in the Data Processing Department. James Bolin, center, was named to succeed Lee Wilson as staff member and manager of the Data Processing Department. Mr. Bolin began work here February 27. He was formerly Data Processing Supervisor with Fisher Body in Marion, Indiana. His family presently resides near Marion, but will move to Richmond when their new house is completed in Richmond's Country Club Hills addition. Mr. Bolin and wife, Janet, have five boys: Dennis, 10; Douglas, 8; Duane, 7; Darryl, 6, and David, 1.

Clarence Jackson, left, started work here February 27 as a Programmer. He was formerly a Junior Programmer with Lane Bryant, Inc., of Indianapolis. He and his wife, Janice, live at 524 S.W. 18th Street in Richmond.

James Watson, right, is Tab Supervisor on second shift. He began work here March 6. Previous employment was with Electro-Optical Systems, Inc., in Pasadena, Calif., where he was Data Processing Operations Supervisor. Mr. Watson is pursuing study at Earlham College as a ministerial student. He later plans to attend seminary at Anderson College. Mr. Watson and wife, Zelpha, and three children, James, 7, Kristina, 5, and Debora, 1, live at 412 North First Street in Centerville.

Dribblers End Season 7 and 6

Les Cornelison, coach, player, and manager, of the Mercury Record Basketball Team, reports they had a pretty even season. The team ended the regular season March 14 with 7 wins and 6 losses.

Junior Fellers and Les Cornelison were high scorers for the team with 165 and 150 points respectively.

The Mercury quintet won 3 games and dropped 2 in the elimination tourney play.

Players on the team were: Junior Fellers, team captain, Les Cornelison, Bob Downing, Ron Drew, Gary Hamm, Allen Hamilton, George Hosapple, David Mayes, and Warren Combs.

LEAGUE LEADERS

Tom Stevens, Junior Fellers, and Dave Robertson, Matrix, are on the first place team in the American Lanes Monday Night Bowling League with six more weeks of league play left.

Other team members are Don Hittle and Paul Bowman, not employed here.

BALL PLAYERS WANTED

Tony Norton has issued the call for players wanting to participate with the Mercury Softball Team in the Industrial Slow-Pitch League.

If you have player-potential, contact Mr. Norton in the Engineering Dept. for further information.

CAMERA & PRINTING

..... by Lucille Fister

Mr. & Mrs. Bill Hakes, Mr. & Mrs. Riley Baylor, Mr. & Mrs. James Carp and Mr. & Mrs. James Augustin are planning to attend the annual L.P.I.U. Bowling Tournament to be held in Milwaukee, Wisc., on April 22 and 23. Since there are no cash prizes they are hoping to bring home a large trophy. There will be over one hundred teams competing.

IT'S A BOY

Mr. and Mrs. Clarence Jackson became the parents of a baby boy born March 29 at Reid Hospital. Baby was weighed in at 8 lbs. 4 ozs. and measured 21 inches, stem to stern. Mr. Jackson is programmer in Data Processing.

SHIPPING, 1st.

..... by Jane Harrison

Dorothy Kachinsky drove to Chicago to attend her cousin's wedding April 1. Dorothy has also enjoyed having her son, Hank, home for spring vacation. Hank is a sophomore at Purdue.

Basil Baldwin has recently purchased a new mobile home. He and Debbie Marcum, shipping office, plan to marry in June.

Mildred Knose won a 210 bowling blouse at the Do-Re Mi Lanes April 28 with a score of 215.

Marlene Anderson's sister has been released from Robert Long Hospital in Indianapolis.

Bobby Black spent his Easter vacation in Hamilton and Cincinnati. He reports he especially enjoyed the trip because he had just bought a 1962 Cadillac to travel in.

IT'S THAT TIME AGAIN

I know it's spring and you're enjoying the weather, but you know it's that time of year and I've simply got to remind you: HAVE YOU FILED YOUR FEDERAL INCOME TAX? IT'S DUE BY APRIL 17. (Sorry about that.)

TAPE AUDIO— TEST STATION ADDED TO TEST EQUIPMENT

(Information from George Roeback, Quality Mgr.)

The advent of the auto tape cartridge introduced a new problem for our Quality Control Department - how to control the quality of the tape products.

With as many as 40,000 tapes (cassettes and 8-track cartridges) arriving here weekly from Dubbings Electronics, who assemble and dub the sound on the tapes, it became evident that a procedure was needed for inspecting the products to be sure they were up to Mercury's high standards.

Prior to January 1967, inspection of recorded tapes was done by Dubbings' personnel. But about the first of the year, Mercury installed its own equipment in our audio-test room to handle this work.

A Mercury cassette recorder EL-3312 was selected for the 4-track cassette tapes and a Lear Jet Stereo 8 player for the 8-track auto tape cartridges.

A pair of decibel meters was purchased to indicate the signal level. By calibrating these meters (one for each stereo track) to a master signal tape, it is then possible to determine the ratio of signal to noise recorded on the tape. By comparing these readings with allowed standards, the tester can reject tapes not up to quality standards.

Because the tapes are compared with the L.P.'s for musical content, it is necessary to also use a turntable. The Mercury GA-2230 turntable was installed for this purpose. A microphone enables the tester to confer with the Quality Supervisor who is in another room. The supervisor can also cut-in to listen to any of the recorded sounds reproduced by the equipment at the test station.

A Sherwood amplifier S5500 and Mercury AK50 stereo earphones complete the equipment list. Selector switches permit the tester to listen to either tape machine or the turntable.

Tape products are checked by a statistical sampling method designed to produce (by the laws of probability) an AQL (acceptable quality level) of $2\frac{1}{2}$ per cent. This means that by this sampling method we can be certain that by checking the sample quantity $97\frac{1}{2}$ per cent of the order sampled must be up to quality standards. When a tape sample is found to be defective, another sampling is made. If two bad samples are found (2 tapes

defective) the order is rejected as not acceptable.

The tape quality personnel have their own peculiar lingo. Presently, they are finding some tapes that do not pass quality tests because of a defect they call "fading". This is a drop in volume. When such defects are found, our quality personnel work with the supplier to eliminate the problem. Several such defects have already been eliminated.

Other terms used include: Drop out - sound is jerky; Pop - a popping sound which might be caused by a fingerprint on the tape; Distortion - sounds are garbled; Gap effect - sounds aren't being picked up by the heads, an equipment problem; Tape hiss - residual noise inherent in the tape; Sequence problems - music in wrong order on the tape; Cross-talk - heads are picking up more than one program; Wow - variation in sound at low frequency; Flutter - variation in sound at high frequency.

In checking the tapes, testers do not simply play the tape through. They play alternate numbers on the first sample and then on the next sample they play the numbers skipped.

Presently, there are two tape testers, Margaret Wilmoth on first shift and Mary Smith on second.

All recorded tapes, at least at this time, are duplicates of L.P.'s. That is, the numbers have been previously released as an L.P. However, sequence of the numbers on the tape might not coincide with sequence on the L.P. All cassette recorded tapes are in compatible stereo. They can be played on either stereo or mono equipment.

The cassette system uses a 4-track system. Each recorded number uses 2 tracks for the stereo effect. This is a reel to reel system. When the tape plays through once, it is turned over manually and played through again.

The 8-track system uses a continuous loop. The tape feeds from the hub or center of the stored loop and is rewound on the outside of the stored loop. The tape feeds through the player four times to play the entire tape program. The pick-up head is automatically repositioned to pick up another set of tracks each time the tape starts a new cycle.

With the trend toward more use of tape, we expect that the work of the

Mercury Employees Attend Seminar

Ed Lewis, Sr. Industrial Engineer, and Charles Risselman, General Foreman of Maintenance, attended a seminar at Cleveland, February 8.

The seminar was conducted by John J. Wilkinson of the Management Center of Cambridge and dealt with the subject of universal maintenance standards. More specifically, the leader of the seminar explained "Measuring, Controlling and Reducing Costs of Maintenance Work."

The Management Center of Cambridge, Mass., is an organization of the H.B. Maynard and Company, Inc. About 30 persons from various industries attended the meeting.

It's A Pair!

Mary Bullock, Tester, became grandma twice March 17 when her daughter, Nancy, gave birth to twin sons. Nancy is the wife of Fred Mahaffey.

The boys, born at Reid Hospital, have been named Shaun Michael and Shane Michael. They weighed in at 7-4 and 7-15 respectively.

Married

The wedding of Miss Idris Ann Monroe and Thomas Keith Bond took place Friday, March 24, in the First Friends Church, Richmond, with Rev. Robert Cope performing the double-ring ceremony.

A reception for 100 guests was held at the home of Mr. and Mrs. Paul E. Monroe, R. R. 1, Williamsburg, parents of the bride, following the wedding.

Following their honeymoon trip to Florida, the couple now make their home at 58 Waterfall Road.

Mr. Bond is employed here in the machine shop. Mrs. Bond is a graduate nurse and is employed at Reid Hospital.

STRANGE MEMORY

It was said of a man that remembered everything that he lent, but remembered nothing that he borrowed, that he had lost half his memory.

"tape testers" will become increasingly important, and the Quality Control Department will discover new methods to maintain and improve the quality of recorded tapes.

SIGHTS UFO

Not to be outdone by folks in Indiana, Walter Crowell, Maintenance, 2nd, also claims to have sighted a UFO. It was several weeks ago, but Walter remembers that it resembled the shape of a barrel and looked like it was wrapped in plastic.

The object moved steadily west to east and appeared to be several hundred feet up. Walter thought it could have been a weather balloon. The sighting was made at his farm near Lewisburg, Ohio.

COMPRESSION 1st

..... Mayme Spurgeon

Marie Winget came back to work on March 6 after sick leave.

Bertha Browning returned to work on March 13. She was off while a broken bone in her leg healed.

Julia McFarland visited her mother at Columbus, Ohio, at Easter time.

Georgia Prewitt's son, Robert, was home for Easter from Adrian, Mich.

A very proud Margaret Jones welcomed her first grandchild, Deborah Lorraine, on March 17. She weighed in at 7 lbs. 8 ozs.

Marie Roszell has been off on sick leave.

Ruth McNamara visited friends in Grand Rapids, Michigan, on Easter vacation.



William Marietta was named Shipping Manager for the company March 6. His last employment was with Columbia Record Club in Terre Haute where he was Assistant Director of Operations. He was with Columbia 9 years. His wife's name is Shirley. They have three children: David, 21, attending Indiana State University; Phyllis, 16, and Dennis, 13. The family resides in Clinton, Indiana, but will move to Richmond in June.



Margaret Wilmoth, tester 1st shift, is seated at the new recorded tape audio testing station. Equipment at left plays cassettes. In front of her is the turntable. Above the turntable are the decibel meters. On right end of the table is the 8-track player. At her right side is the amplifier. Switch below her left hand cuts in the mike. (See story this issue for additional information.)

Changing Scenes

Barbara Tincher started employment here as secretary to the Controller March 27.

Samuel Ladd is the new phonograph repairman since March 20.

Ardis Jean Reed was employed March 20 as personnel clerk.

Richard Grogg started here as lab technician on March 20.

Betty Bailey began work here April 3 as secretary to the production manager.

Barbara Jones, Production Control, was promoted April 10 from status clerk to control center clerk.

Latonia Sue French started here April 10 as status clerk in Production Control.

Nancy Meyer was hired April 10 as regular packer in the D.J. Department.

Doris Jean Kendall began her duties here April 6 as control center clerk in Production Control.

Mildred Ingram is presently assigned as Quality Control Supervisor in charge of visual inspection of albums.

Bane Rolls 720 Series

Don Bane, Albums Foreman, and partner, Joe Pazenica, C&O R.R. employee, won the annual city doubles tourney at the Do-Re-Mi Lanes, April 2.

Don rolled the 3rd highest series this year in the city with a 720 total and individual scores of 253, 234 and 233.

Prize money for the effort should net the keggers about \$200 in prize money and several trophies. Don's photo was in the March issue of Turntable.

LUTHERAN MEN TOUR PLANT

Seventeen members of the Men's Club of the Trinity Evangelical Lutheran Church of Richmond were given a tour of the plant Tuesday evening, March 28. Max Stobaugh is president of the club.

COLOR ADDED

Machinery in the Albums and Injection Departments has taken on a new spring look.

The Injection Department machines have been cleaned and painted gray. New equipment recently received in the Albums Department is painted white. Older equipment has been given a coat of blue.

SHADES OF SHAMROCKS

The shamrocks worn by girls in the press room on March 17, St. Patrick's Day, were furnished through the courtesy of Mary Bullock, designer, and Ruth McNamara, trimmer.

We can understand Ruth's interest in shamrocks, but we're at a loss to explain Mary's interest, unless it's a pair of twins named Mahaffey who will call her grandma.



Willie Freck, Repack Department, is wearing a \$1,110 grin. On March 22 she won that amount in a drawing sponsored by a church building fund committee.



The smile you see on Flossie Barker, above, press operator in Compression, is the kind you wear when you are holding a check for \$100 which you have won playing lucky bingo.

INJECTION 1ST.

..... by Nellie Russell

Geneva Jones has returned feeling better after a 30-day sick leave.

Kenneth Sparks, son of Lillian Sparks, was home from Ft. Lewis, Washington, on 15-day leave to spend Easter with his parents.

Cecil Smith's daughter, Brenda, spent Easter in the hospital where she had an emergency appendectomy. We extend our sympathy to Nellie Caldwell whose grandmother recently passed away.

Roger Block and his wife enjoyed Easter watching their 8 year old foster son, Mike, at his first egg hunt in Glen Miller Park. He found 13 eggs. The Blocks are in the process of adopting him.

WIN 500 STAMPS DETAILS BELOW

"SAFETY PAYS IN MANY WAYS" and if you can repeat that statement when we call, we will pay you 500 Top Value stamps. No box tops to collect, no contest blanks, no purchases required. Just remember, "Safety Pays in Many Ways."

We will be making calls to find two winners. Each will receive 500 Top Value stamps for repeating the safety slogan. The calls will be made the day after the TURNTABLE is distributed. If the paper is distributed on Friday, calls will be made the following Monday. It is not necessary for employee to answer, if someone else who answers the phone number you have listed in personnel can repeat the slogan, you're still a winner.

Winners of the March safety stamps awards were: Anna Hofer, Injection 1st, and Dora Bowling, Inspection 2nd.

SHIPPING 2nd

..... Elsie Helton

Bob Stapleton is driving a new Ford L.T.D.

Welcome to William Marietta, new Shipping Manager.

Gene Broderick visited friends in Corbin, Ky., during the Easter weekend.

Kenny Rose has left the company to serve with Uncle Sam.

The basement, where 7" discs are stored is taking on a new look. The area is being rearranged and a pick-n-pack section is being added in the front of the area to make it easier to find numbers needed to fill orders.

Stella Boyles sitting problem may be caused by having three horses but only one saddle.

Kenny Armstrong was recently off work because of an accident. He was injured in a fall from the loading dock while helping to load shipments.

We can't remember who it was said, "Any coward can quit smoking, but it takes a lot of guts to die with lung cancer." Maybe it's just as well we forget he said it.

FOR SALE

Pair of electric hedge clippers with 100 ft. cord. Price \$15. See Mary White, Repack.



On March 10, the Shipping Department held a pitch-in dinner in honor of Ty Berry, who transferred from the department March 13.

Mr. Berry was transferred to Production Control as a supervisor. He had served in a supervisory position in the Shipping Department for about five years.

Jerry Haynes, foreman, is shown above presenting to Mr. Berry, left, a desk set, gift from the employees in the department. Others in the picture are: left to right, Marlene Anderson, Mildred Knose, Bertha Scarrette and Jane Harrison.

COMPRESSION 2nd

..... Mary Smith

Beulah Ratliff has been hospitalized at Reid Hospital following surgery. She entered the hospital March 27. Her son, Leslie, who is in the army at Ft. Jackson, South Carolina, was given leave to be with Beulah during a period of her convalescing.

South seems to be the popular vacation direction this year. Shirley Myers and husband took a vacation south visiting Callaway Gardens in Georgia and Roosevelt's Little White House at Warm Springs, Georgia. They also visited Long Beach and Mexico Beach on the way to Panama City, Florida, where Mrs. Myers visited her sister. They also stopped at Rock City, Chattanooga, Tenn., and Cumberland Falls at Williamsburg, Ky.

Roger Lewis and family are planning to move to Jacksonville, Florida, April 31. Employees presented him with a cigarette lighter and billfold as a remembrance of his friends here.

Mary Smith and Dora Bowling have 9 years of service with the company as of April 30.

Hazel Smith and Barbara Fannin have both returned to work after sick leave.

Sherre Ritchie and Juanita Lawson are on the job again after a period of time in the hospital.